

Figure 1

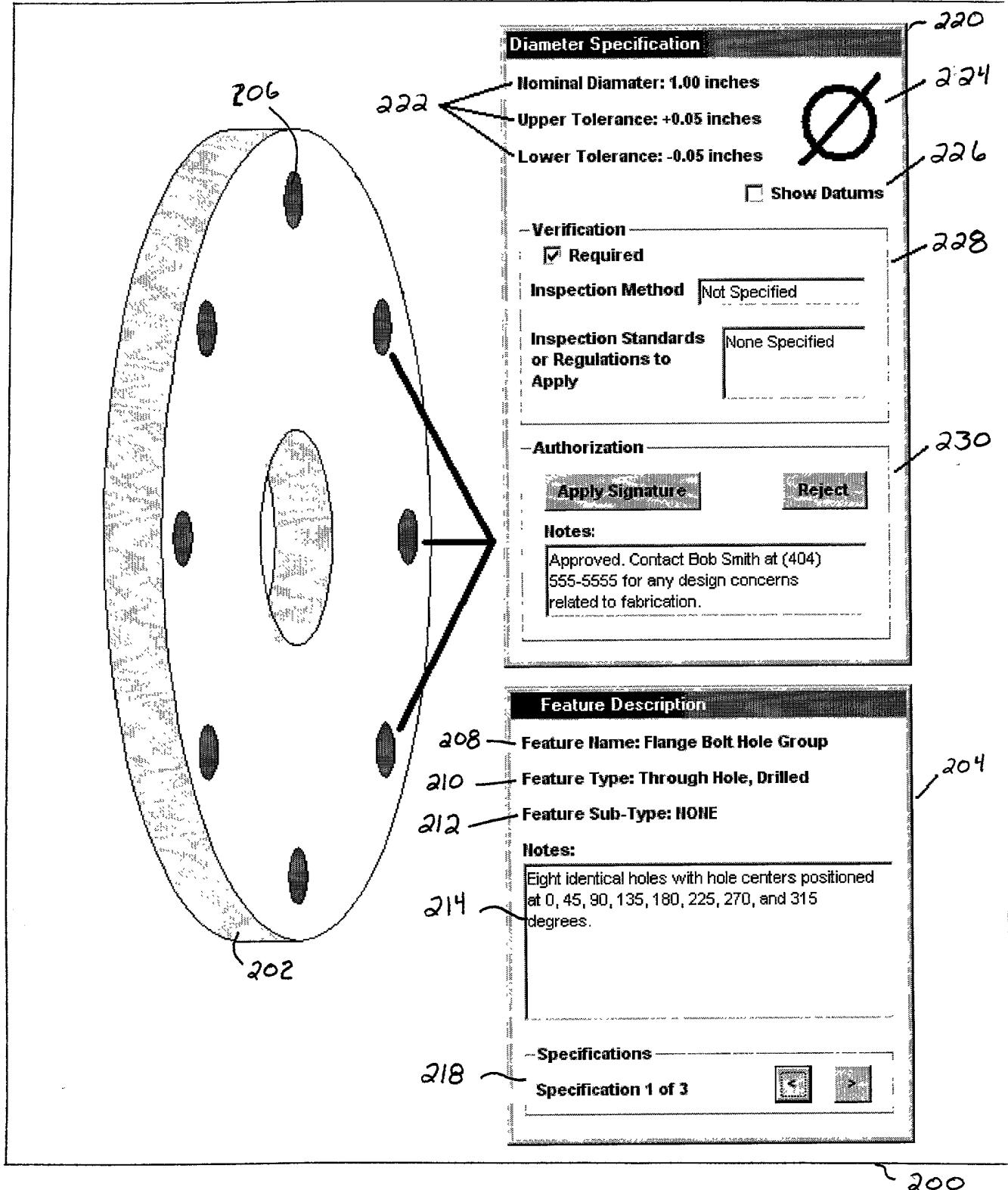


Fig. 2

10005260 - 120704

The technical drawing shows a flange with eight circular holes arranged in a circle. Callouts from various features point to a detailed specification form.

Angle Specification

- Nominal Angle: 45.0 Degrees
- Upper Tolerance: +0.1 Degrees
- Lower Tolerance: -0.1 Degrees

Show Datums

Verification

Required

Inspection Method Not Specified

Inspection Standards or Regulations to Apply None Specified

Authorization

Notes:
Approved. Contact Bob Smith at (404) 555-5555 for any design concerns related to fabrication.

Feature Description

Feature Name: Flange Bolt Hole Group

Feature Type: Through Hole, Drilled

Feature Sub-Type: NONE

Notes:
Eight identical holes with hole centers positioned at 0, 45, 90, 135, 180, 225, 270, and 315 degrees.

Specifications

Specification 2 of 3

332 322 306 302 320 324 300

Fig. 3

10003566 * 120204

Linear Measure Specification

Nominal Distance: 10.00 inches

Upper Tolerance: +0.05 inches

Lower Tolerance: -0.05 inches

Show Datums

Verification

Required

Inspection Method Not Specified

Inspection Standards or Regulations to Apply None Specified

Authorization

Notes:

Approved. Contact Bob Smith at (404) 555-5555 for any design concerns related to fabrication.

Feature Description

Feature Name: Flange Bolt Hole Group

Feature Type: Through Hole, Drilled

Feature Sub-Type: NONE

Notes:

Eight identical holes with hole centers positioned at 0, 45, 90, 135, 180, 225, 270, and 315 degrees.

Specifications

Specification 3 of 3

Fig. 4

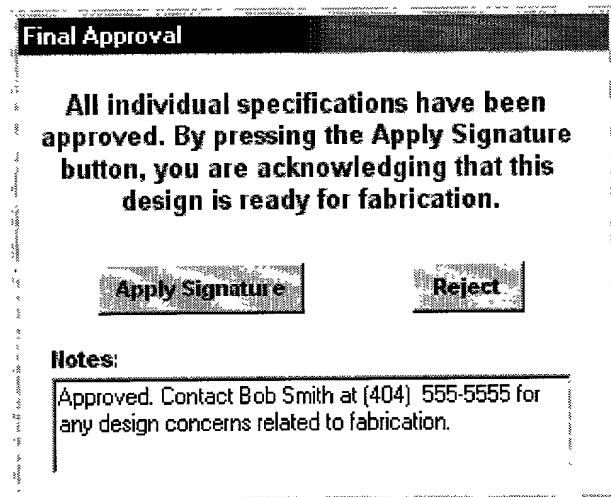


Fig. 5

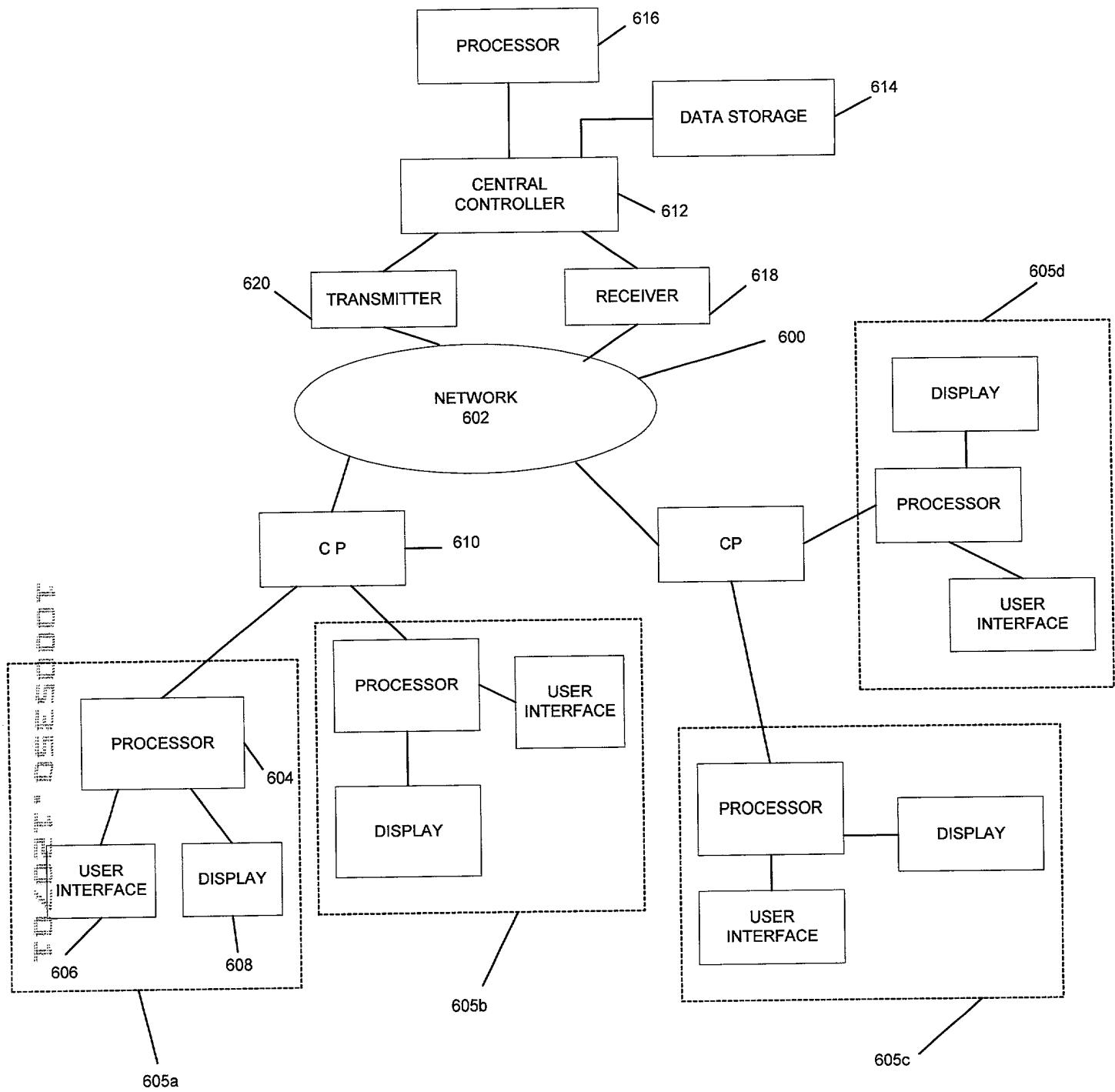


FIG. 6

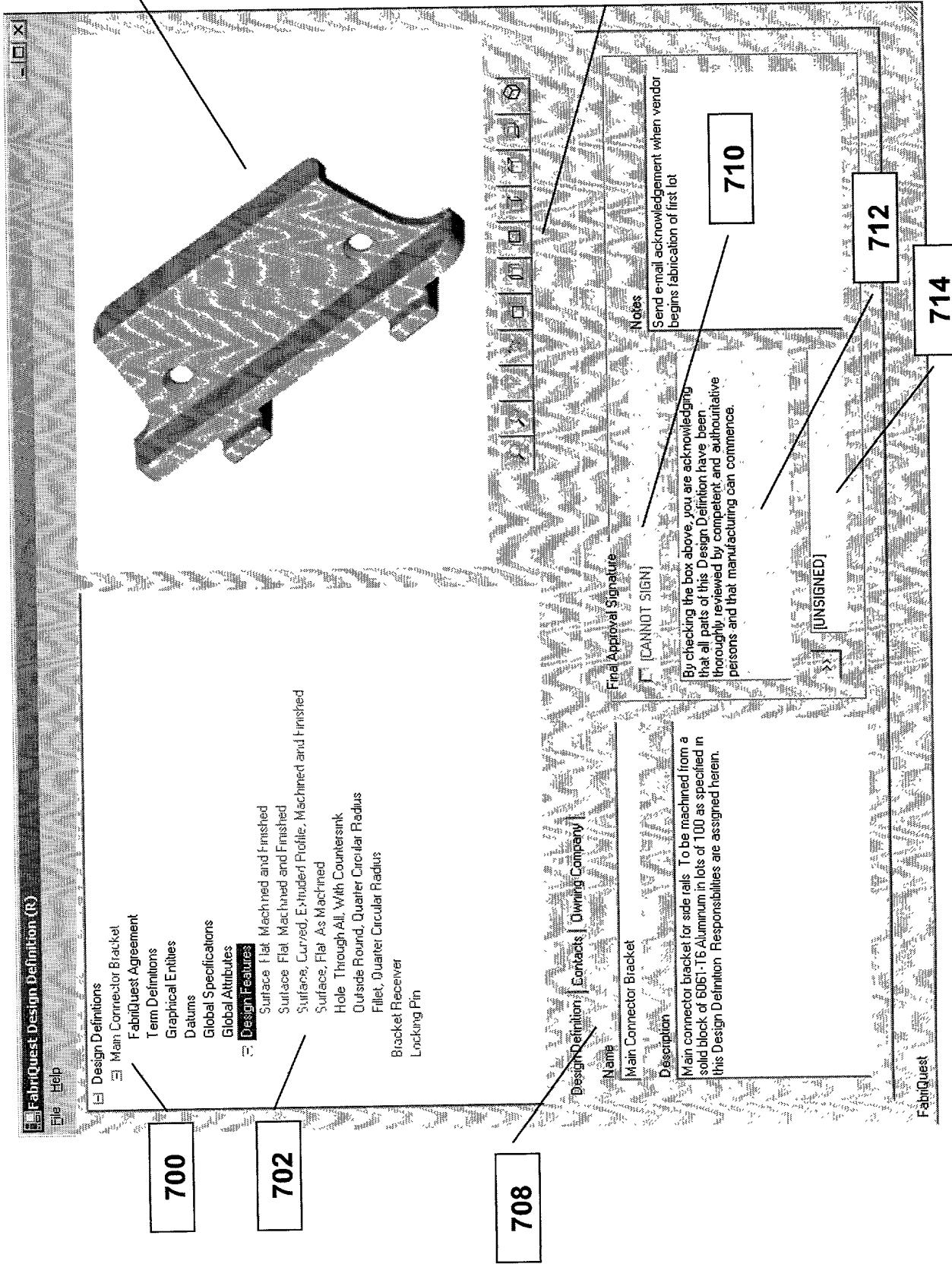


Figure 7

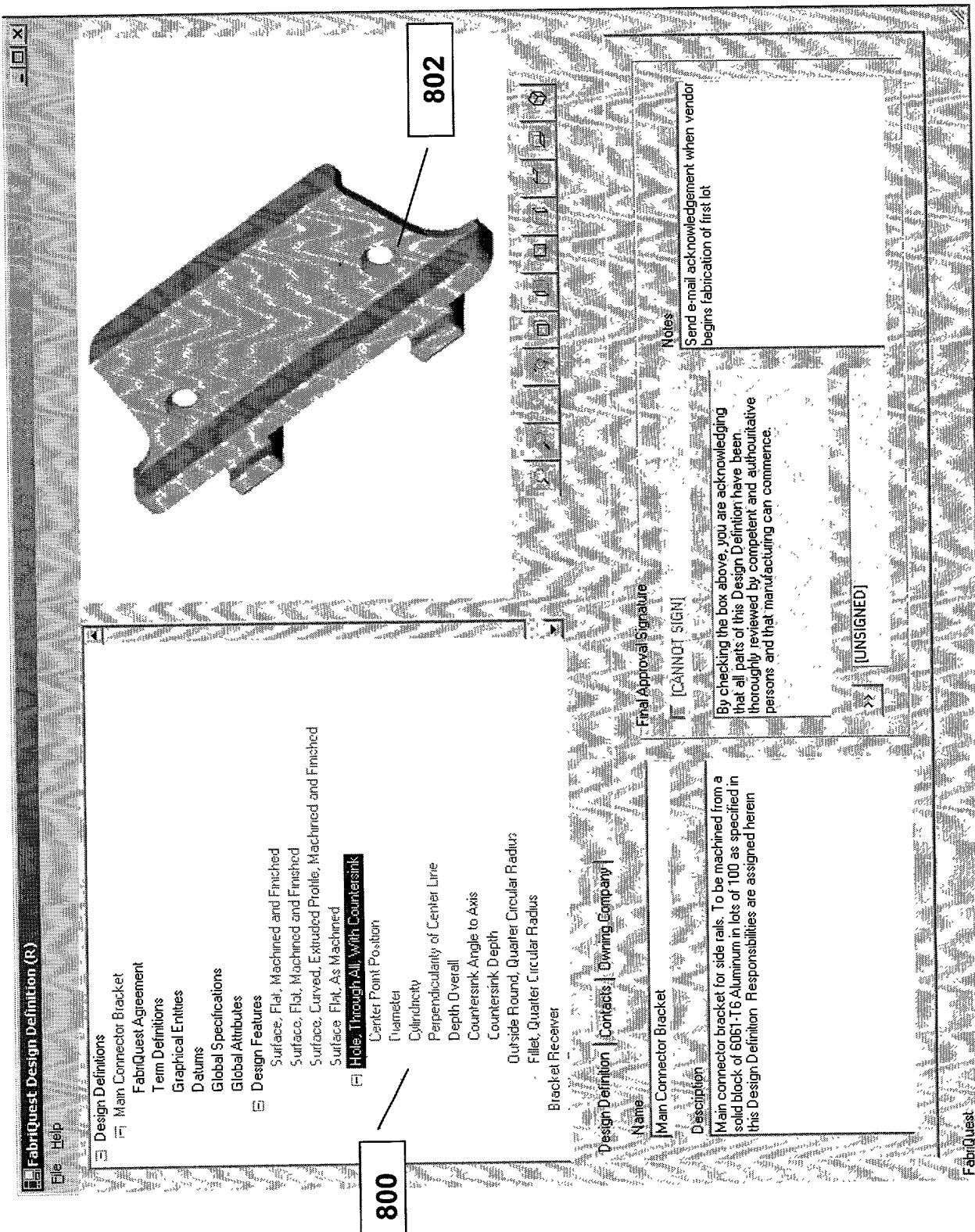


Figure 8

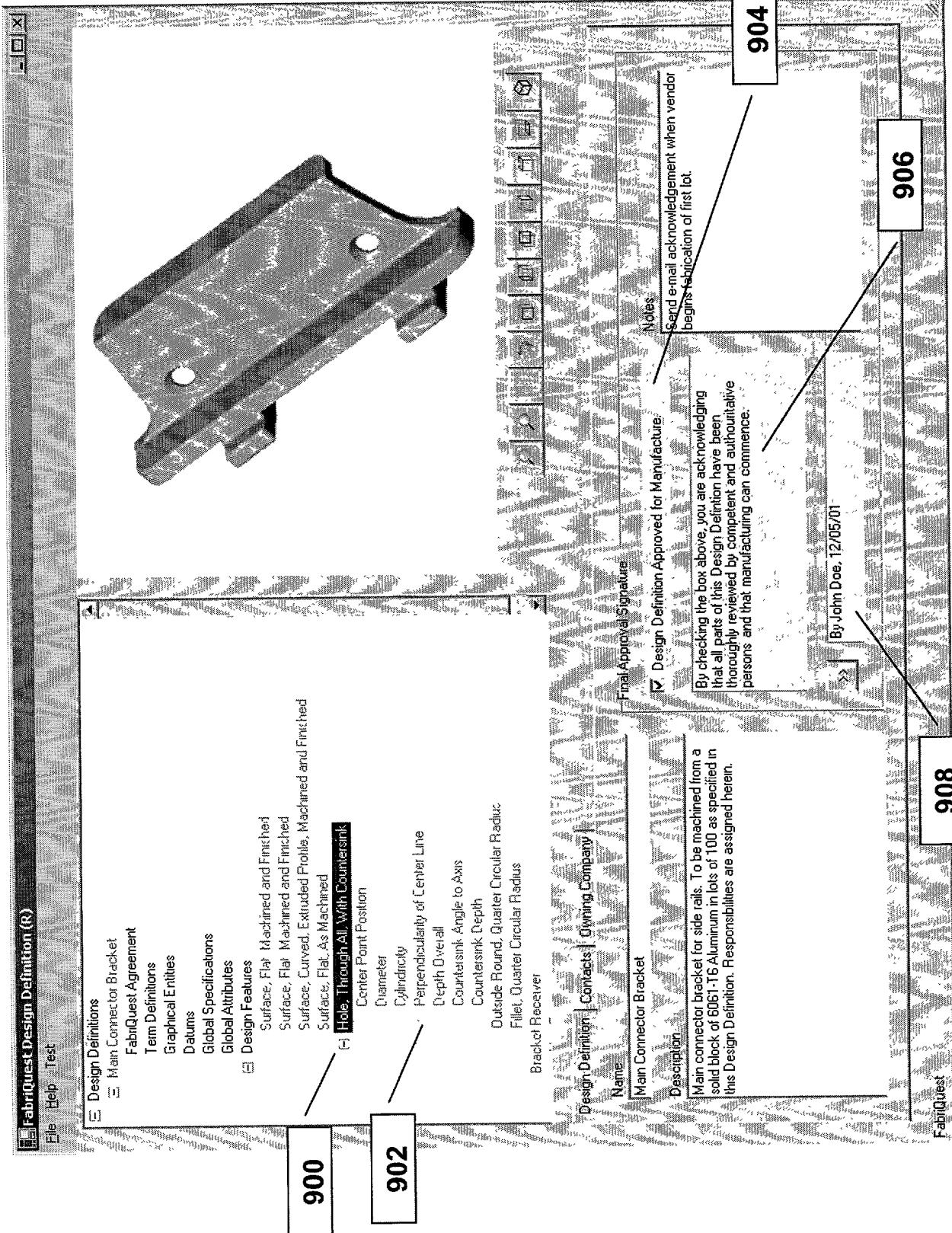


Figure 9

Project Document

1000

FabriQuest Feature Specification - Countersink Angle to Axis

Specification Detail | Instructions | Descriptive Images | Limit Definition

Countersink Angle to Axis

Specification Description

Defines the angle between the conical surface cut as a countersink and centerline axis of the cylindrical hole with which the countersink is associated.

1002

Specification Type

Countersink Angle to Axis

Signature

UNSIGNED [COMPONENTS NOT SIGNED]

By checking the box above, you are acknowledging that this feature specification is described correctly and meets all design quality assurance standards established by the owner of this Design Definition.

1006

1008

1004

1010

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Responsible Person

Jane Smith

Status of Signatures

Signature Component	Signed By	Date
Feature Specification: Overall Specification	[UNSIGNED]	
Descriptive Images: Countersink Side View	Robert Jones	12/01/2001
Descriptive Images: Countersink Top View	Robert Jones	12/03/2001
Instructions: PreFabrication Set-up	Sally Thomas	12/02/2001
Instructions: Fabrication Method	[UNSIGNED]	
Instructions: PostFabrication Inspection	Sally Thomas	12/05/2001
Instructions/Standards: NO IMAGES!	Robert Smith	12/03/2001
Instructions/Standards: ANSI Standard 0001	Sally Thomas	12/05/2001
Instructions/Standards: ISO Standard 0001	[UNSIGNED]	
Instructions/Standards: XYZ Engineering, Inc. Company Standard 0001	Robert Smith	12/02/2001
Instructions/Regulations: NO REGULATIONS APPLY	Robert Smith	12/03/2001
Limit Definition: Angular Measure, Open Right Conical Feature	Sally Thomas	12/02/2001
Limit Definition/Descriptive Images: Hole Countersink Angular Limits	Sally Thomas	12/05/2001
Limit Definition/Datums: Datum A - Upper Plane Surface	Robert Smith	12/01/2001
Limit Definition/Datums: Datum D - Hole Centerline		

Figure 10

Feature Specification - Countersink Angle					
1100	<input type="checkbox"/> Instructions <input type="checkbox"/> Descriptive Images <input type="checkbox"/> Limit Definition				
<table border="1"> <tr> <td>Instruction Name Pre-Fabrication Set-up</td> <td>Signed By Sally Thomas, 12/02/2001 <input checked="" type="checkbox"/> [UNSIGNED]</td> </tr> <tr> <td>Fabrication Method Post-Fabrication Inspection</td> <td>Sally Thomas, 12/05/2001</td> </tr> </table>		Instruction Name Pre-Fabrication Set-up	Signed By Sally Thomas, 12/02/2001 <input checked="" type="checkbox"/> [UNSIGNED]	Fabrication Method Post-Fabrication Inspection	Sally Thomas, 12/05/2001
Instruction Name Pre-Fabrication Set-up	Signed By Sally Thomas, 12/02/2001 <input checked="" type="checkbox"/> [UNSIGNED]				
Fabrication Method Post-Fabrication Inspection	Sally Thomas, 12/05/2001				
1102	<input type="checkbox"/> Descriptive Images <input type="checkbox"/> Standards <input type="checkbox"/> Regulations				
1104	<table border="1"> <tr> <td>Instruction Name</td> <td><input type="checkbox"/> Image</td> </tr> <tr> <td>Fabrication Method</td> <td><input type="checkbox"/> Image</td> </tr> </table> <p>Content</p> <p>Countersink angle should be formed using common, off-the-shelf tooling without special coatings or other special attributes. Selection of machinery and brand of tooling is left to the manufacturing vendor.</p>	Instruction Name	<input type="checkbox"/> Image	Fabrication Method	<input type="checkbox"/> Image
Instruction Name	<input type="checkbox"/> Image				
Fabrication Method	<input type="checkbox"/> Image				
1106	<table border="1"> <tr> <td>Instruction Name</td> <td><input type="checkbox"/> Image</td> </tr> <tr> <td>Fabrication Method</td> <td><input type="checkbox"/> Image</td> </tr> </table> <p>Content</p> <p>Countersink angle should be formed using common, off-the-shelf tooling without special coatings or other special attributes. Selection of machinery and brand of tooling is left to the manufacturing vendor.</p>	Instruction Name	<input type="checkbox"/> Image	Fabrication Method	<input type="checkbox"/> Image
Instruction Name	<input type="checkbox"/> Image				
Fabrication Method	<input type="checkbox"/> Image				
1108	<table border="1"> <tr> <td>Instruction Signature</td> <td><input type="checkbox"/> Signature</td> </tr> <tr> <td colspan="2"><input checked="" type="checkbox"/> UNSIGNED (COMPONENTS NOT SIGNED)</td> </tr> </table> <p>By checking the box above, you are acknowledging that the instruction and all of its components are correctly described as they relate to the selected design feature.</p>	Instruction Signature	<input type="checkbox"/> Signature	<input checked="" type="checkbox"/> UNSIGNED (COMPONENTS NOT SIGNED)	
Instruction Signature	<input type="checkbox"/> Signature				
<input checked="" type="checkbox"/> UNSIGNED (COMPONENTS NOT SIGNED)					
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Image Name	<input type="checkbox"/> Image				
[NO IMAGES]					
1112	<table border="1"> <tr> <td>Image Name</td> <td><input type="checkbox"/> Image</td> </tr> <tr> <td colspan="2">[NO IMAGES]</td> </tr> </table>	Image Name	<input type="checkbox"/> Image	[NO IMAGES]	
Image Name	<input type="checkbox"/> Image				
[NO IMAGES]					
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[NO IMAGES]					
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Image Name	<input type="checkbox"/> Image				
[NO IMAGES]					
<p>By checking the box to the left, you are acknowledging that there are NO DESCRIPTIVE IMAGES associated with this instruction.</p> <p><input checked="" type="checkbox"/> No Images</p>					

Figure 11

Specification Detail | Instructions | Descriptive Images | Limit Definition

Instruction Name	Signed By
Pre-Fabrication Set-up	Sally Thomas, 12/02/2001 [UNSIGNED]
Fabrication Method	Sally Thomas, 12/05/2001
Post-Fabrication Inspection	

Instruction Name

Fabrication Method

Content

Countersink angle should be formed using common, off-the-shelf tooling without special coatings or other special attributes. Selection of machinery and brand of tooling is left to the manufacturing vendor.

Description

Standard describing how to determine coolant and lubricant flow rates for standard metal cutting applications.

Standard Title

ISO Standard 0001

Standard of Measurements

ANSI Standard 0001
ISO Standard 0001
XYZ Engineering, Inc. Company Standard 0001

Published By

International Standards Organization, Geneva Switzerland

View Entire

Instructions Signature

UN-signed | COMPONENTS NOT SIGNED]

Accept This Standard

By checking the box above, you are acknowledging that the instruction and all of its components are correctly described as they relate to the selected design feature.

By checking the box above, you are acknowledging that the standard cited is required and appropriate for guiding the manufacturer in the course of complying with the associated instruction.

1200

1202

1204

1206

1208

1210

1212

Figure 12

Figure 13

Specification Detail		Instructions	Descriptive Images	Link Definition	
Instruction Name	Signed By	Signed By	Descriptive Images	Standards	Regulations
Pre-Fabrication Setup	Sally Thomas, 12/02/2001	[UNSIGNED]			
Fabrication Method					
Post-Fabrication Inspection	Sally Thomas, 12/05/2001				
Instruction Name	Fabrication Method				
Content	<p>Countersink angle should be formed using common, off-the-shelf tooling without special coatings or other special attributes. Selection of machinery and brand of tooling is left to the manufacturing vendor.</p>				
Regulation	<p>[NO REGULATIONS APPLY]</p>				
Description	<p>There are no regulations that govern any aspect of the selected instruction.</p>				
Regulation	<p>[NO REGULATIONS APPLY]</p>				
Description	<p>There are no regulations that govern any aspect of the selected instruction.</p>				
Regulation	<p>[NONE]</p>				
View Full Text	<p>View Full Text</p>				
Instruction Signature	<p><input checked="" type="checkbox"/> UNSIGNED COMPONENTS NOT SIGNED!</p>				
<p>By checking the box above, you are acknowledging that the instruction and all of its components are correctly described as they relate to the selected design feature.</p>					
Regulations Signature	<p><input checked="" type="checkbox"/> No Regulations</p>				
<p>By checking the box above, you are acknowledging that there are NO REGULATIONS governing any aspect of the selected instruction.</p>					

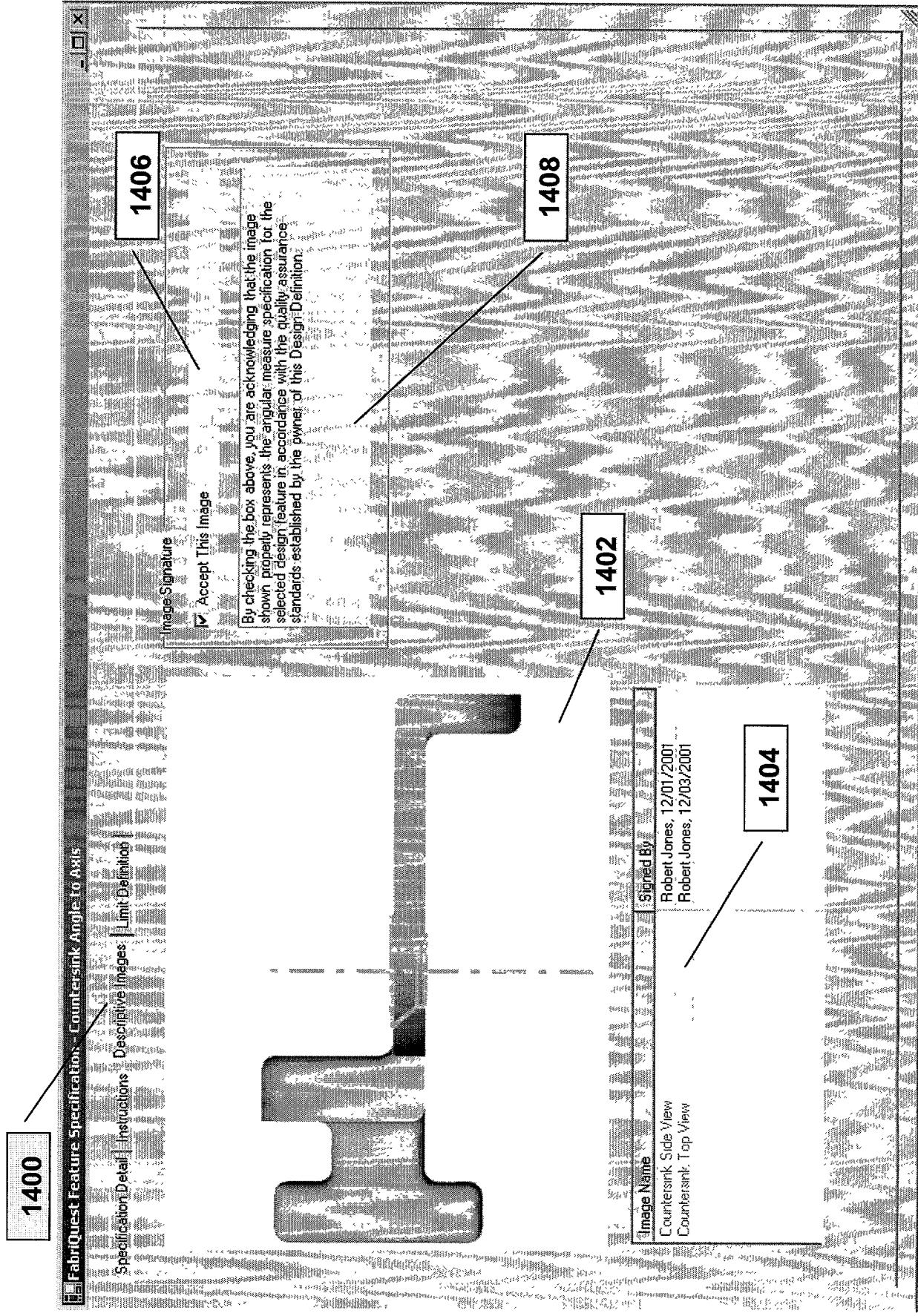


Figure 14

Figure 15

FabriQuest Feature Details Definition

1502 Ion - Countersink Angle to Axis

Specification Detail: Instructions: Descriptive Images: Limit Definition:

1504

1506 Angular Measure, Open Right Conical Feature

Notes: [NONE]

Limit Type: DEGREES

Units of Measure: DEGREES

Lower Limit: 44.75

Nominal Value: 45.00

Upper Limit: 45.25

Accept This Limit Definition

By checking the box above you are acknowledging that the definition of the specification value limit is correct and that all descriptive images and datums are properly defined and applied with respect to this limit definition.

Signature: **1514**

By Robert Smith, 12/03/2001

1500

1508

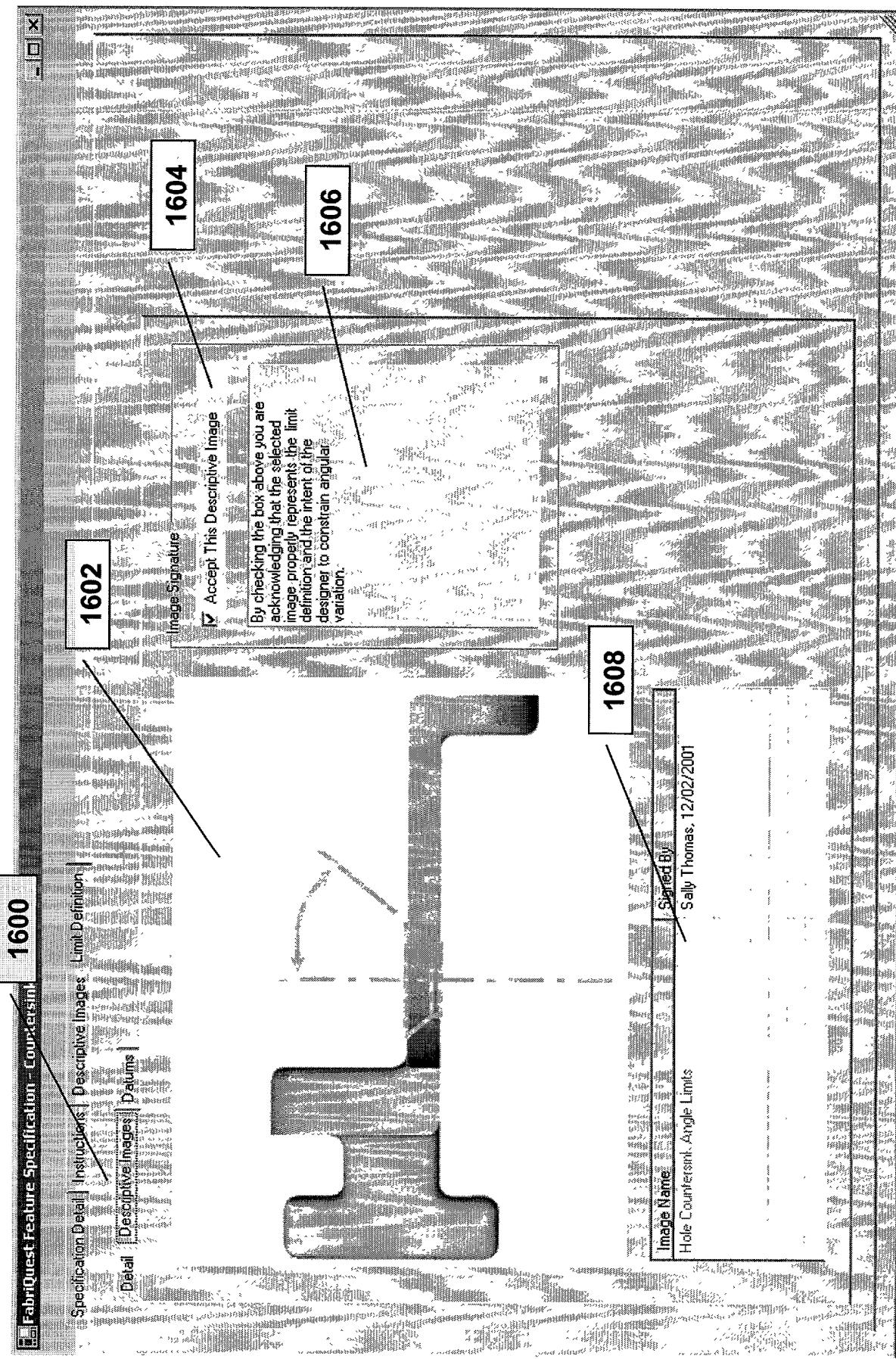
1510

1512

1516

1518

Figure 16



1700

1702

1704

1706

1708

1710

1712

Signed By
Sally Thomas, 12/05/2001
Robert Smith, 12/01/2001

Datum Name
Datum A - Upper Plane Surface

Datum E - Hole Centerline

Datum Name
Datum A - Upper Plane Surface

Description
Physical surface comprised of the upper flat portion of the bracket.

Datum Signature
 Accept Selected Datum

View Datum Image
Display in 3D Window

Figure 17